Installation & User's Guide

TF 900 series for HP LJ 9040/9050, 9050MFP, M9050MFP.

Paper input | Paper handling | Cabinets

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Manual TF900 for
Hewlett-Packard LaserJet 9040/9050, 9050MFP, M9050MFP.

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PREFACE

Congratulations! You selected TF900, a sheet feeder specifically designed in collaboration with Hewlett-Packard, USA, to extend the paper handling capabilities of the HP LaserJet 90xx series incl MFP.

The TF900 option offers new possibilities:

- **select from up to 12 different paper types directly from your PC.**
- **print extra copies instead of going to the copier to make copies.**
  You get better copies and you can color code copies of documents on color paper to help clearly identify a copy. The color already defines the addressee and you will save the marking of the copies.
- **realize an attractive alternative to the multi-part forms printed on conventional impact printers.**
  You will get better copies, raise the flexibility and you will save money on expensive preprints and chemical papers.

We encourage you to read this manual carefully to ensure correct installation and reliable operation.
While installing the TF900, or whenever an unclear situation arises, please also consult the user's manuals of your HP LaserJet 90xx series, your computer system, your application software and your network software.

The name TF900 is generic to a TowerFeed family of automatic sheet feeders and is used throughout this manual.
TF900 has the following part number assignment: TF9001000

The TF900 comes instead of the optional 2000 sheet papertray (C8531A) from HP.

A label showing type, designation and serial number is located on the back cover of the TF900. Please refer to this designation and the serial number whenever you call your service organization.

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UNPACKING TF900

Note:
Prior to delivery, your TF900 was thoroughly tested and carefully packaged.
Please check your unit for transportation damage and/or missing parts immediately upon receipt.

To unpack the unit, proceed as follows (see figure next page):

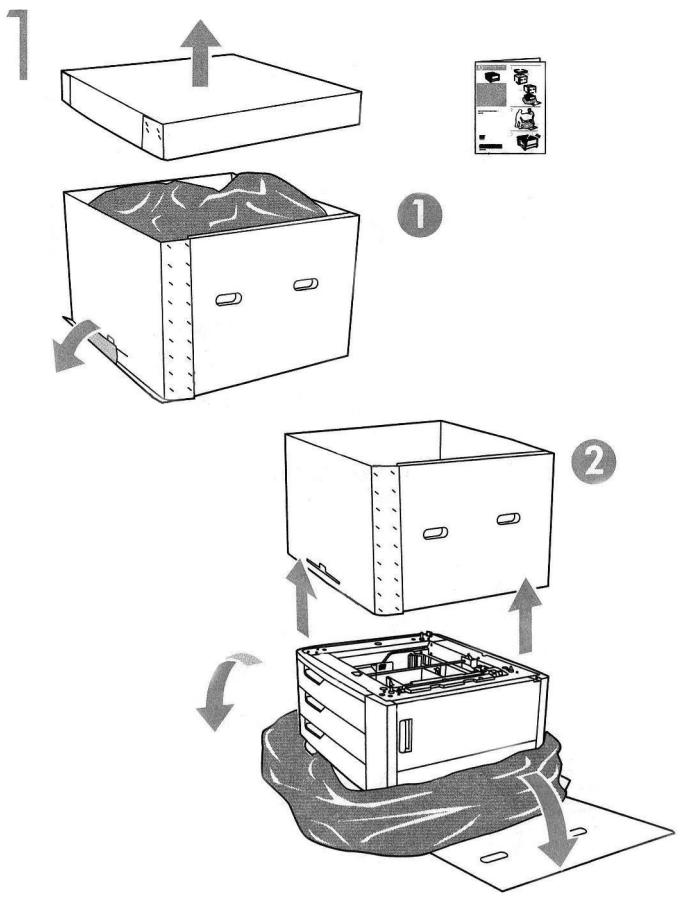
- Cut the packing strips and open the top of the shipping box.
- Lift the unit (no. 1) out of the box.
- Remove the accessories box (no.2). It contains the poweradapter, CD-ROM, splitter cable and flyer.
- Unpack the TF900.

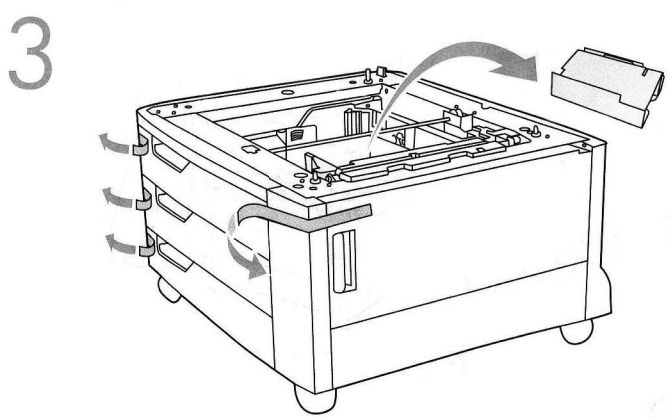
Re-packing

It is recommended that you keep the packaging material and inserts for proper protection of the unit and its parts in case of reshipment.

To repack theTF900, follow the above steps in reverse order. Be sure that all accessories including CD-ROM are packed in the box. Ensure the TF900 is correctly seated and cushioned.

UNPACKING





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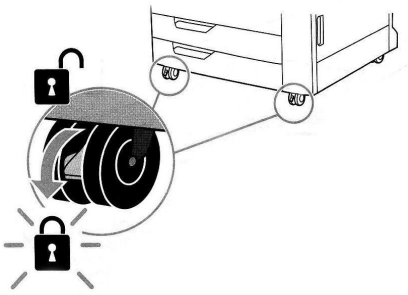

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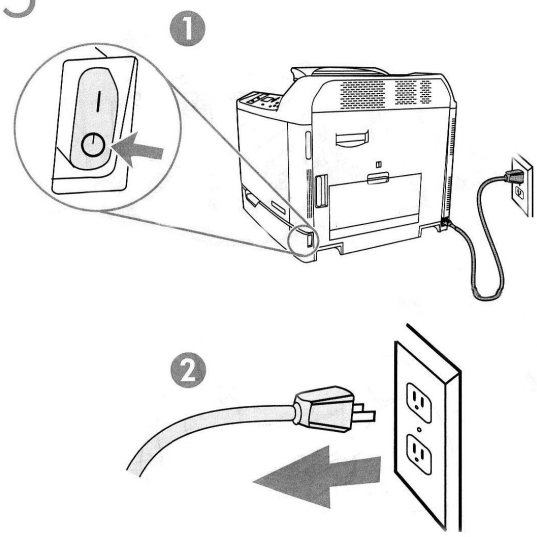

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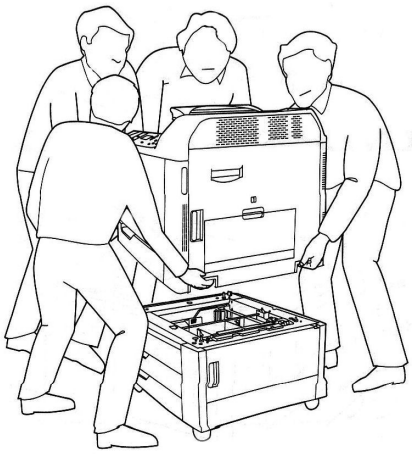

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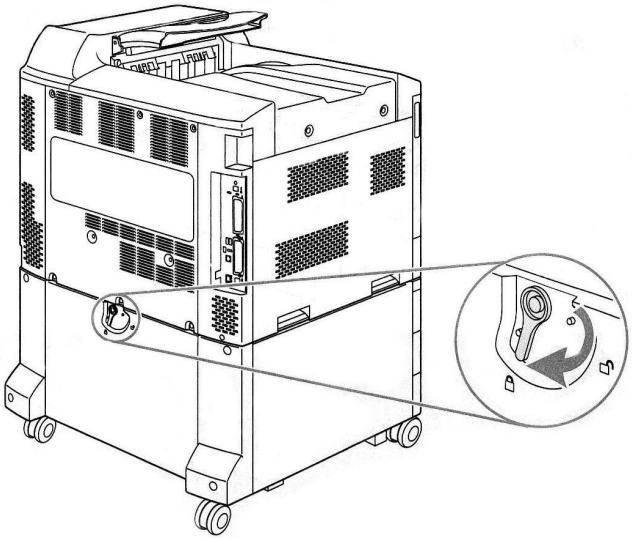

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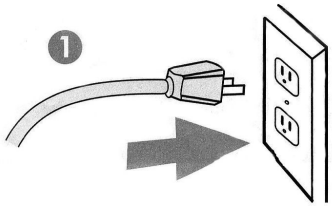
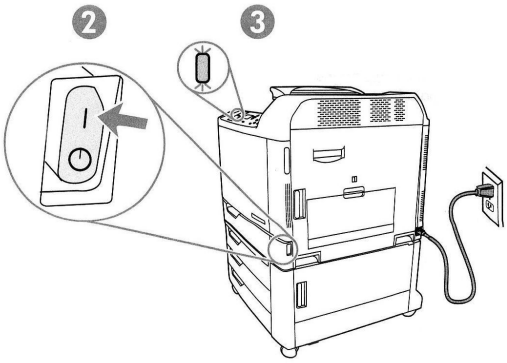
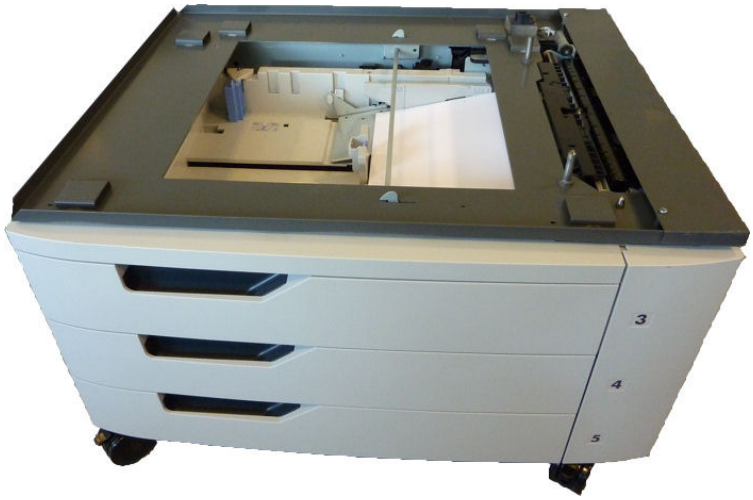




BOX CONTENTS

Note:
Prior to delivery, your TF900 was thoroughly tested and carefully packaged.
Please check your unit for transportation-damage and/or missing parts immediately upon receipt.

Box Contents



TF900

Accessories Box Contents

- TF900 notes
- CD with drivers and manuals
- Y splitter cable
- 24 V adapter
- safety locking bolts

INSTALLATION

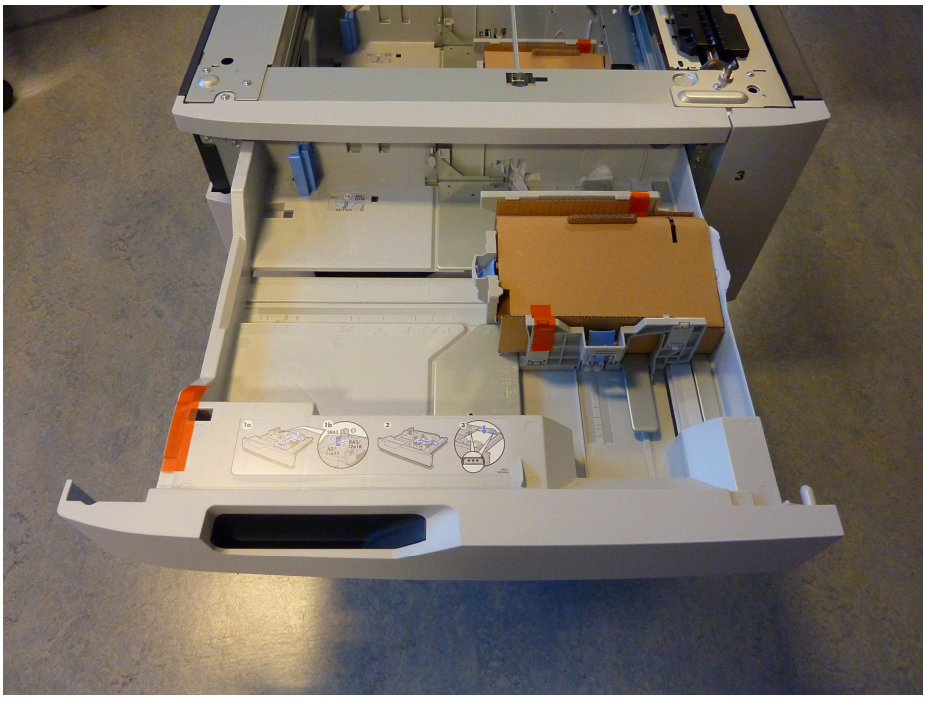
Warning:
The TF900 unit weighs up to 40 kilograms (88,18 lbs).
To prevent back strain or injury, enlist the help of someone and bend your knees when lifting the unit.

Warning:
POWER OFF your printer and peripherals and disconnect all power and interface cables before you proceed with the installation.

Hardware Installation

Remove Transportation Insert

- Pull all the trays out, detach the red tape and remove the transportation inserts. In the toptray you'll find the 24V adapter placed in the transportation insert.
- Re-insert and close the trays.



INSTALLATION

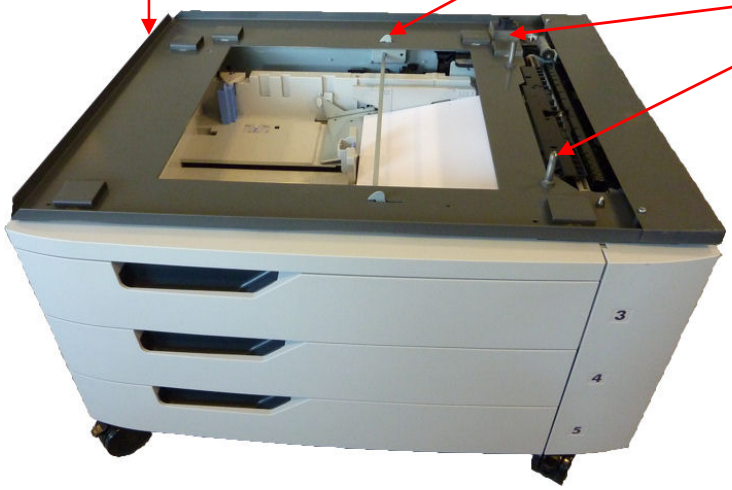
Position and Connect Printer

Warning:
The printer may weigh 70-143 kilograms (154-315 lbs), depending on the model (MFP or not). Enlist the help of a second person to lift the unit. To prevent back strain or injury, bend your knees when lifting the unit.

Keep these side equal with the printer. The positioning templates will help you

Interlocking mechanism.

Positioning pins for the printer.



Positioning templates. Remove after installation

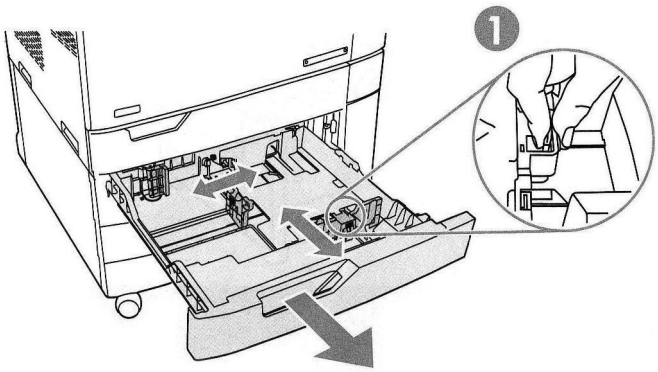
*** Carefully lift the laserprinter onto the TF900.**
Hold the left and back side of the printer equal to the sides of the TF900.
Be sure that the TF900 interlocking mechanism is applied and that the printer is fastened to the TF900 with the **enclosed security screws**.

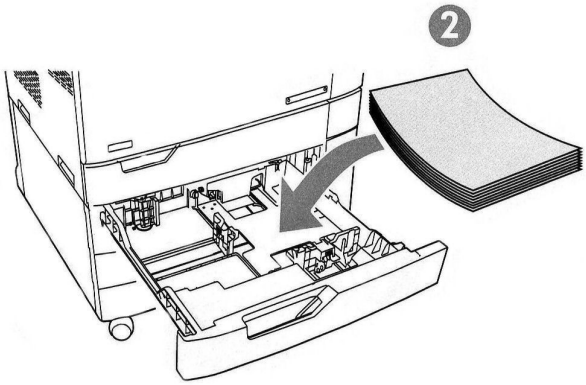
Caution:
Only move TF900 to another place with **drawers closed** to avoid hazard of toppling.Be careful when crossing doorsteps or different flooring materials. Be sure that the TF900 interlocking mechanism is applied and that the printer is fastened to the TF900 with security screws.

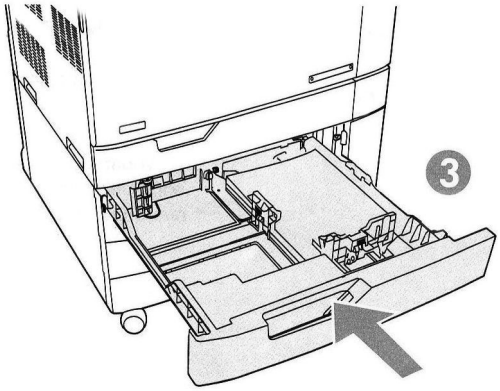
Warning:
Use only the **24V adapter** which is **provided** by DPI together with your TF900.
Put the adapter only in a **powersocket with earth** which is secured with **16 A max**. !

Installation of the TF900

How do I	Steps to perform
Load Trays	The product automatically detects these standard paper sizes: Letter, Letter Rotated, Legal, Executive, 11x17, A3, A4, A4 Rotated, A5, B4 (JIS), and B5 (JIS). CAUTION: Do not print envelopes or unsupported sizes of paper from Trays Pull out tray. Adjust the paper guides by squeezing the adjustment latch and sliding the guides to the appropriate size. Load paper into the tray face up. Check the paper to verify the guides lightly touch the stack but do not bend it. The stack must not exceed the load level indicators. Close the tray. Follow the prompts on the control panel.







INSTALLATION

Printer Panel Settings

Papertype Assignments

By default, each paper tray has assigned the paper type PLAIN. In case of a paper out in a selected tray, the printer automatically will pull paper from another tray.
The assigning of a different paper type to each tray inhibits the automatic switching of the printer to another tray if the selected tray runs out of paper.
To assign a paper type to an input tray, select with the menu key the PAPER HANDLING MENU and there the specific input tray. Then assign to each tray another one of the 12 predefined paper types.
If you have several trays with the same paper, assign to each of these trays the same paper type. This will increase your input capacity for this paper type, as the printer will automatically switch to the next tray with the same paper type in case the selected tray runs out of paper.

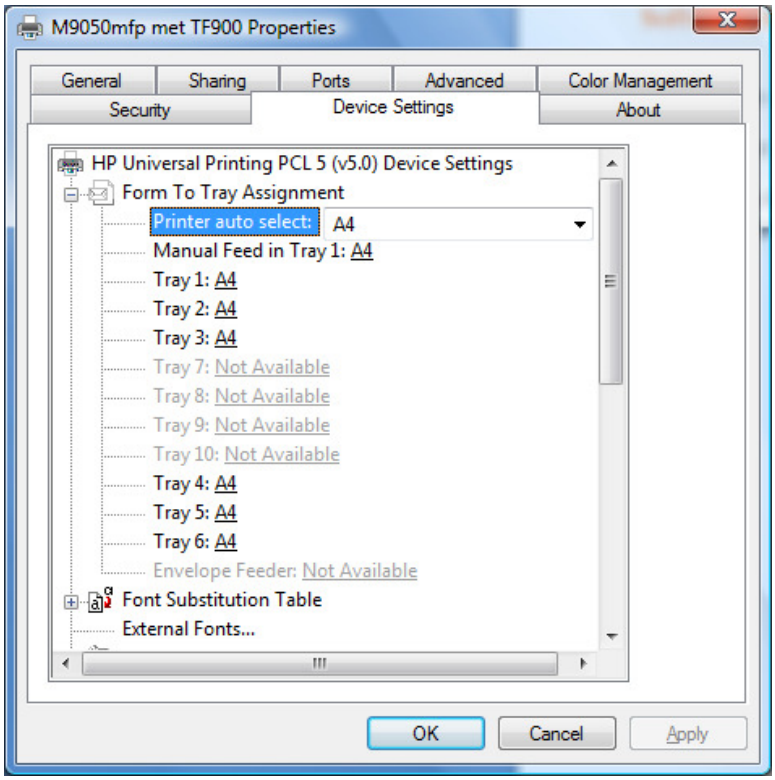
Note:
PLAIN is the default paper type. In case a print job arrives without paper selection, the printer will pull paper from the lowest tray containing PLAIN paper (e.g. printer test pages).

Software Installation

Installation of Printer Driver

Use the latest Universal Print Driver from HP, this driver will recognize the TF900 as Tray 4, 5 and 6.

For availability of the most recent firmware or printer drivers, please consult also our WEB page at: **www.key2printing.com**



How to turn the system on

Note:
Power ON the TF900 first by plugging in the power-adapter on the left bottom side and then the printer can be turned on.

Plug in the poweradapter on the left bottom side (see the label on the back cover) of the TF900.
Then connect the adapter to the mains. The TF900 wil run it's motors once and give a beep.
The device is now ready, you can turn on the printer.

Preparation of the Output Stacker or Mailbox for use with the TF900:

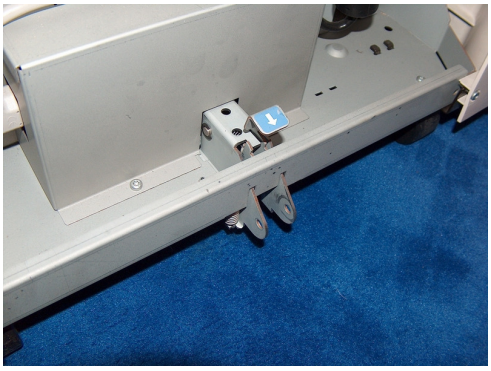
The 3000 sheet Stacker(or Stacker/Stapler), the Multi Bin Mailbox can be used together with the TF900 but you only need to remove the metal guide.

Required Tools (not part of the shipment) :

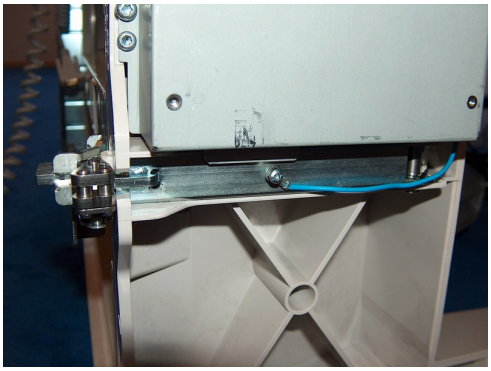
- Torx hexagon key X20
- Fork wrench 10mm or monkey wrench (2 pieces)

. The stacker's or mailbox's guide has to be removed.
Proceed depending on which setup is used:

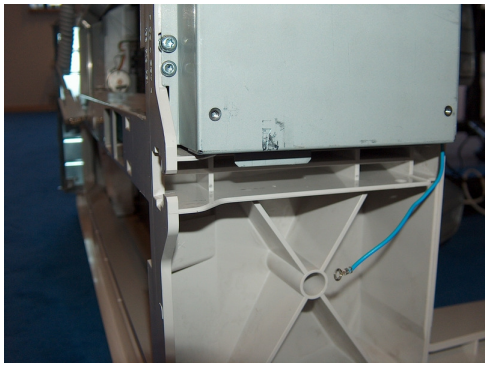
- Stacker Setup: Remove the Torx screw fixing the grounding cable from the stacker to the guiding bar. Loosen and remove the hexagonal "swivel"-bolt screw with nut holding the guiding bar to the stacker.



- Mailbox Setup: Remove the Torx screw fixing the grounding cable from the stacker to the guiding bar. Remove the circlip from the shaft and take the shaft out of its hub. Extract the guiding bar retainer from the mailbox.



Before



After

Reloading Paper

While feeding occurs from a certain tray, the other ones may be reloaded without interrupting feeding and printing. To reload paper please refer to 'Loading Paper'.

The printer panel message (n = drawer number)

```
TRAY n LOAD
Media Type & Size
```

indicates that the printer does not see the requested paper. In this case please refer to the following section 'Out of Paper'.

Out of Paper

If a TF900 tray runs out of paper, the printer will automatically switch to another tray with the same paper size and type (depending on the printer settings). If that paper is not available from another tray, the red Attention LED on the printer panel will start blinking and the printer message appears

```
TRAY n LOAD
Media Type & Size
```

- Refill the tray with the correct paper and close the tray.

Paper Jam

> **Note:**
> It is best to first try to clear jams and continue printing without turning the units off.

In case of a paper jam, the printer panel Attention LED will start blinking and the printer display will show a respective message with the following meaning:

13.01 PAPER JAM	paper jam in printer
13.11 PAPER JAM	paper jam in TF900
13.20 PAPER JAM	paper jam in TF900 and printer

- In case of a **printer paper jam**, you will see the following messages:

```
13.01 PAPER JAM
IN TRAY n
```

Remove the paper jam and all other pages in the paper path and close all the cover(s). Printing will continue. For more details on clearing printer paper jams please refer to your printer manual (Chapter Maintenance and Trouble Shooting, Section Paper Jams).

- In case of a **TF900 paper error**, the following messages will be displayed:

  13.11 PAPER JAM
  IN INPUT ACCESSORY

  and TF900 will beep with either one of the following sequences (depending on type of error):

  or

  (TF900 Paper Jam) (TF900 Motor Block)

  Open the TowerTray TT400 trays, starting with the lowest one. TowerTray TT400 beeping will stop when the tray which fed the last sheet is opened. Remove the jammed paper from the TowerTray TT400 paper path. Close all TowerTray TT400 trays. Printing will continue automatically.

- In case of a **paper jam in printer and TF900**, the following messages will appear

  13.20 JAM
  TOP COVER AREA

  13.11 PAPER JAM IN INPUT
  ACCESSORY

  and TF900 will beep with either one of the following sequences (depending on type of error):

  or

  (TF900 Paper Jam) (TF900 Motor Block)

  Open the TF900 trays, starting with the lowest one. TF900 beeping will stop when the tray which fed the last sheet is opened. Remove the jammed paper from the TF900 paper path. Close all TF900 trays. If printing does not continue automatically check the paper path within the printer for any remained sheet.

PAPER QUALITY GUIDELINES

General

For paper storage and quality specifications, please consult the relevant paper recommendations by Hewlett-Packard

Below you'll find information about paper specifications according to HP.
This is copied from the user manual of the HP LJ9050.

Paper specifications
HP LaserJet printers produce excellent print quality. This printer accepts a variety of media, such as cut-sheet paper (including recycled paper), envelopes, labels, transparencies, and customsize paper. Properties such as weight, grain, and moisture content are important factors affecting printer performance and output quality.
The printer can use a variety of paper and other print media in accordance with the guidelines in this manual. Paper that does not meet these guidelines can cause the following problems:
● Poor print quality
● Increased jams and multiple-sheet feeds
● Premature wear on the printer, requiring repair
For best results, use only HP brand paper and print media. Hewlett-Packard cannot recommend the use of other brands. Because they are not HP products, HP cannot influence or control their quality.
It is possible for paper to meet all of the guidelines in this manual and still not produce satisfactory results. This might be the result of improper handling, unacceptable temperature and humidity levels, or other variables over which HP has no control.
Before purchasing a large quantity of paper, make sure it meets the requirements specified in this user guide and in the *Guidelines for Paper and Other Print Media* guide. Always test paper before purchasing a large quantity. For more information, see www.hp.com/go/ljpaper.
CAUTION Using paper outside HP specifications can cause problems for the printer, requiring repair. This repair is not covered by the HP warranty or service agreements.

APPENDIX A - Printer Specific Notes

HP LaserJet Duplexer Option
The printer's duplexing capabilities remain fully supported with the TF900 paper handling option installed.

HP optional 2000 sheet paper tray
The optional HP 2000 sheet feeder may NOT be used in conjunction with TF900.

POWERSAVE Function (Printer Setting)
The POWERSAVE function is fully supported with TF900 installed.

APPENDIX B - Tips & Hints

Printing on the wrong Paper

Why doesn't it print from the tray I selected?

If a selected Tray # ran out of paper or does not contain the paper size assigned for the print job, the printer might look for other trays containing the demanded paper size, and if this is available (and with the same Media Type as Tray #) will pull paper from there.

The 3 Rules For Correct Paper Selection

1. **Assign a different Paper Type to every Tray # by using the printers control panel.**
   You can assign the same Paper Type to two or more tray numbers only if these trays all contain the same Paper Type.

2. **Make sure that you select the correct Paper Size for the selected Paper Type.**
   The selected Paper Size in the application software must be the same as what the size of that paper in the printer actually is.

3. **Select paper within your application by Paper Type or by Tray #.**
   If a tray containing the selected Paper Type runs out, the printer will pull paper from other trays only if they have the same Paper Size and Type.

Paper Control and Selection

Selection Criteria

The HP LaserJet offers various possibilities to select paper by offering three selection criteria:

- Paper Size
- Paper Source (Tray number)
- Paper Type (Media type)

The selection criteria differ in their priorities and can be changed using the JetAdmin utility software.

Paper Types

The Paper (Media) Type is a selection criteria which can be used to name trays and to distinguish between different paper types within a given paper size. The HP LaserJet offers 12 predefined Media Types.
Some of the Media Types are: Plain, Preprinted, Letterhead, Transparency, Prepunched, Labels, Bond, Recycled, Color, Card Stock, and Rough.

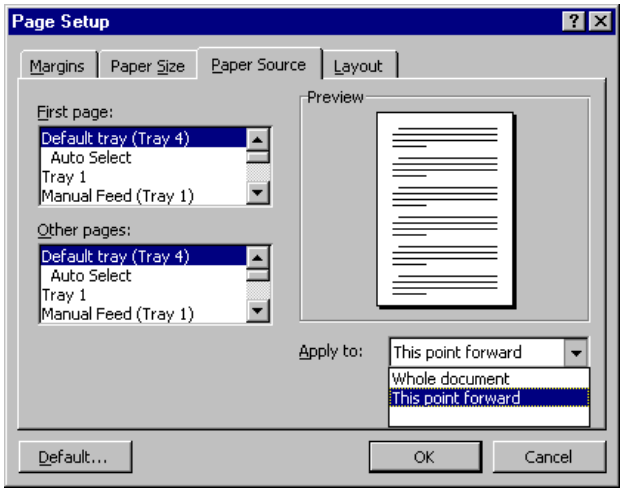
Default Paper Type

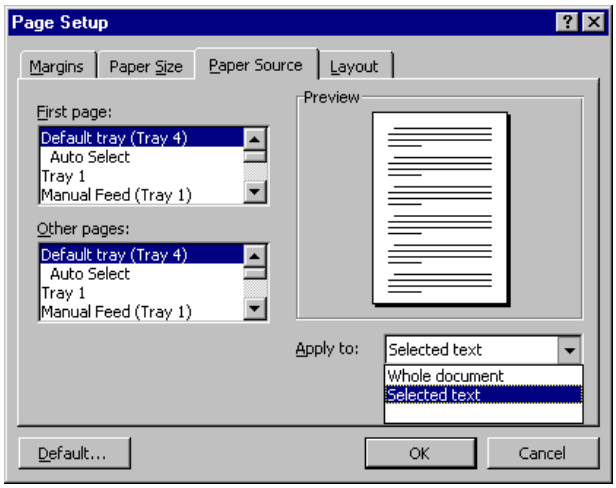
Without a specific paper type assigned to a tray, Plain becomes the default paper type. To assign a paper type to a tray number using the printer control panel, please refer to Papertype Assignment of this manual.

APPENDIX B - Tips & Hints

Creating Paper Sequences for a Word Document

It is widely known that in Page Setup you have the possibility to enter different paper sources for First Page and Other Pages. If there are other pages in the document, which have to be printed on another paper, this can be defined in the same Page Setup window. In this window there is a pull-down bar *Apply to:* which is used for that purpose. The default setting is *Whole document* but there are also the options *This point forward* and *Selected text*, which can be selected.





The option *Apply to:* allows to force a change of the paper source for a specific page or from a specific page onwards and thus to define paper sequences for a whole document.

APPENDIX C - SUPPORTED PAPER

Supported paper and print media sizes

Size Dimensions:

Letter 216 x 279 mm (8.5 x 11 in)
Letter Rotated 279 x 216 mm (11 x 8.5 in)
Legal 216 x 356 mm (8.5 x 14 in)
A4 210 x 297 mm (8.27 x 11.69 in)
A4 Rotated 297 x 210 mm (11.69 x 8.27 in)
Executive 184 x 267 mm (7.24 x 10.51 in)
A3 297 x 420 mm (11.69 x 16.54 in)
A5 148 x 210 mm (5.83 x 8.27 in)
11 x 17 (Ledger) 279 x 432 mm (11 x 17 in)
B4 (JIS) 257 x 364 mm (10.12 x 14.33 in)
B5 (JIS) 182 x 257 mm (7.17 x 10.12 in)

APPENDIX D - PCL Paper Selection Commands

Command	Function	# Refers

ESC & l # H — Selects Paper Source

0	print/eject page
2	Man. Feed - Paper
3	Man. Feed - Env.
7	Auto Select
4	Tray 1
1	Tray 2
8	Tray 3
6	Envelope Feeder
20	TF900 tray 1
21	TF900 tray 2
22	TF900 tray 3

ESC & l # A — Sets Paper Size

2	Letter
3	Legal
26	A4

for other sizes please refer to your printer manual

ESC & n # Wd mediatype — Selects Media Type

#	mediatype	Panel Display**
n/a	Any	ANY TYPE
6	Plain	PLAIN
11	Preprinted	PREPRINTED
11	Letterhead	LETTERHEAD
13	Transparency	TRANSPARENCY
11	Prepunched	PREPUNCHED
7	Labels	LABELS
5	Bond	BOND
9	Recycled	RECYCLED
6	Color	COLOR
11	Card Stock	CARDSTOCK
6	Rough	ROUGH

**indication for reference purposes only

Escape codes for HP 9040, 9050, 9050MFP, M9050MFP.				
HP tray	TF tray	PCL5e <Esc>&I…H	PCL6 <ubyte>(…)	ANVA (Hex)
1		<Esc>&I4H	<ubyte>(3)	1B 26 6C 34 48
2		1	4	1B 26 6C 31 48
3		5	5	1B 26 6C 35 48
	1	20	8	1B 26 6C 32 30 48
	2	21	9	1B 26 6C 32 31 48
	3	22	10	1B 26 6C 32 32 48

APPENDIX E - Troubleshooting

Diagnosing an Error Situation

When calling for support, please have the Printer test pages at hand (Configuration Page, Menu Map and Event Log Page as per APPENDIX G).

Pos	Printer Display	TF 900 Beeping	Description	Action / Remarks
1	TRAY n OPEN		Tray n open	Close Tray
2	TRAY n EMPTY		Empty Tray without pending print request	Reload Tray n
3	TRAY 1 LOAD Media Type & Size		Requested paper not available	Load Tray 1 with the correct size See printer manual to change Media Size and Type through the printer control panel
4	TRAY n LOAD Media Type & Size		Paper requested from empty Tray n	Refill Tray n Switches automatically to next Tray with same Size & Type and pulls paper from there (depending on settings).
5	13.01 PAPER JAM IN TRAY n		Paper jam in Printer	Clear paper jam and all other sheets from the paper path. Open/close printer cover(s) Also refer to section 'OPERATING - 'Paper Jam' in this manual and to your printer manual for further details.
6	13.20 JAM IN TOP COVER AREA	Beep Type 2	Paper jam in Printer and TF900	Clear paper jam in printer and TF. Close TF Tray(s) and printer cover(s).
	13.11 PAPER JAM IN INPUT ACCESSORY	Beep Type 3	Paper jam in TF900, and TF900 Motor blocked	Remove all sheets from TF and printer paper path. Close TF Tray(s) and printer cover(s). In case error stays, call Service.
7	13.11 PAPER JAM IN INPUT ACCCESSORY	Beep Type 2	Paper jam in TF900	Clear paper jam in TF. Close TF Tray(s).
	13.11 PAPER JAM IN INPUT ACCCESSORY	Beep Type 3	TF900 Motor blocked	Open TF Tray(s). Remove all sheets from the TF paper path. Close TF Tray(s). In case error stays, call Service.
8	INITIALIZING		Printer display does not switch to READY	Turn the printer off and on again and switch off the POWERSAVE function.

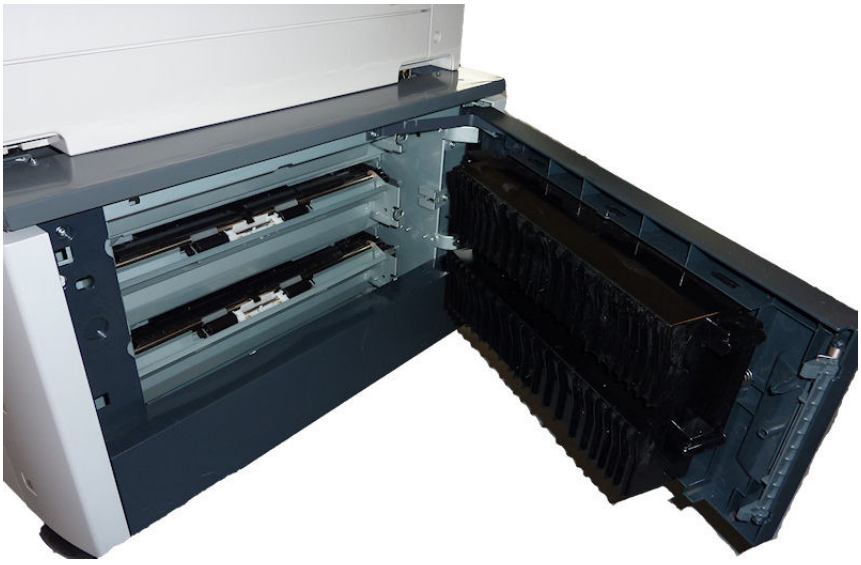
APPENDIX E - Troubleshooting

TF900 Beep Types

Type 0 (1x short)	■	TF900 Reset Beep (e.g. after Power ON)
Type 1 (short - short)	■ ■ ■ ■ ■ ■ ■ ■	Paper in TF900 paper path after a printer Reset
Type 2 (long - long)	▬ ▬ ▬ ▬	Paper Jam in TF900
Type 3 (short - long)	■ ▬ ■ ▬ ■ ▬	TF900 Motor blocked
Type 4 (6x short)	■ ■ ■ ■ ■ ■	Opening a TF900 tray during a feed cycle

Other Error Conditions

Pos	Description	Action / Remarks
1	TF900 Trays not showing up in *Paper Sources* of the Printer Dialog	Check for correct printer driver (UPD 5.x or newer)



Also look behind the right door of the TF900 to locate paperjams.

APPENDIX F - Printer Selftest Pages

The following three functions allow you to print out information about your printing system configuration. These pages can be selected via printer panel (Item: INFORMATION MENU).

> **Note:**
> The information for the configuration page are recorded at power-up time. There is no update of the changes after power-up.

Configuration Page

This page will be printed via printer panel (INFORMATION MENU - PRINT CONFIGURATION).
Of particular interest are the indications under Paper Trays and Options where you can see:

Paper Trays and Options

TF900 option with configuration showing:
- Installed trays with size and media-type and also the fusertemperature.
- The serial number of the unit.

Event Log

- Shows the last 3 errors incl. TF900 errors.

TF900 Error Codes 13.11.xx	1**	2**	3**	4**
TF900 Motor blocked	15 (21)	16 (22)	17 (23)	18 (24)
TF900 Paper Jam	1F (31)	20 (32)	21 (33)	22 (34)
Tray opended while feeding	29 (41)	2A (42)	2B (43)	2C (44)
Printer Jam	33 (51)	34 (52)	35 (53)	36 (54)

Values shown in brackets according to printer display. Values shown w/o brackets according to printer error log.

** Number of TF900 tray (not printer tray) which feed the last sheet

Paper handling configuration page

This page is printed directly after the configuration page.
It shows information about the model, firmware version and the quantity of input trays.

Paper path test page

The Menu Map page can be selected via printer panel (INFORMATION MENU - PRINT MENU MAP).
This page is showing the different paper sources and its allocated Media Types.

PAPER HANDLING MENU — showing paper sources (trays) with the allocated Media Types, e.g. Tray 4 TYPE = LETTERHEAD

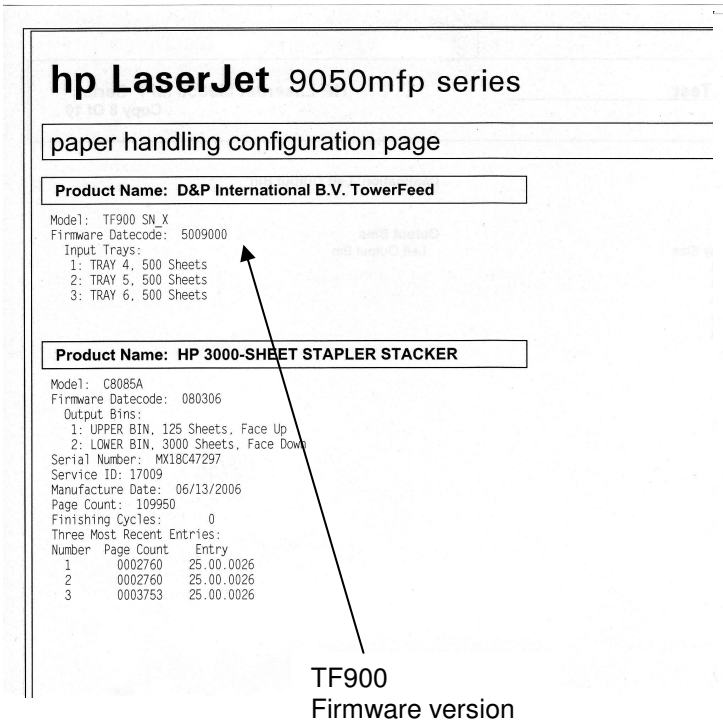
Event Log Page

Via printer panel (INFORMATION MENU - PRINT EVENT LOG) you can print the Event Log Page showing the last 50 system errors including an error code for identification. Very helpful for diagnosing purposes!

TF900 error codes: HP LJ
13.11.xx TF900 Error
xx = see in above event log chart

> **Note:**
> Whenever calling for service, please make sure to have these information pages at hand (configuration page, event log page and the serial no. of your TF900 unit).

APPENDIX F - Printer Selftest Pages



hp LaserJet 9050mfp series

paper handling configuration page

Product Name: D&P International B.V. TowerFeed

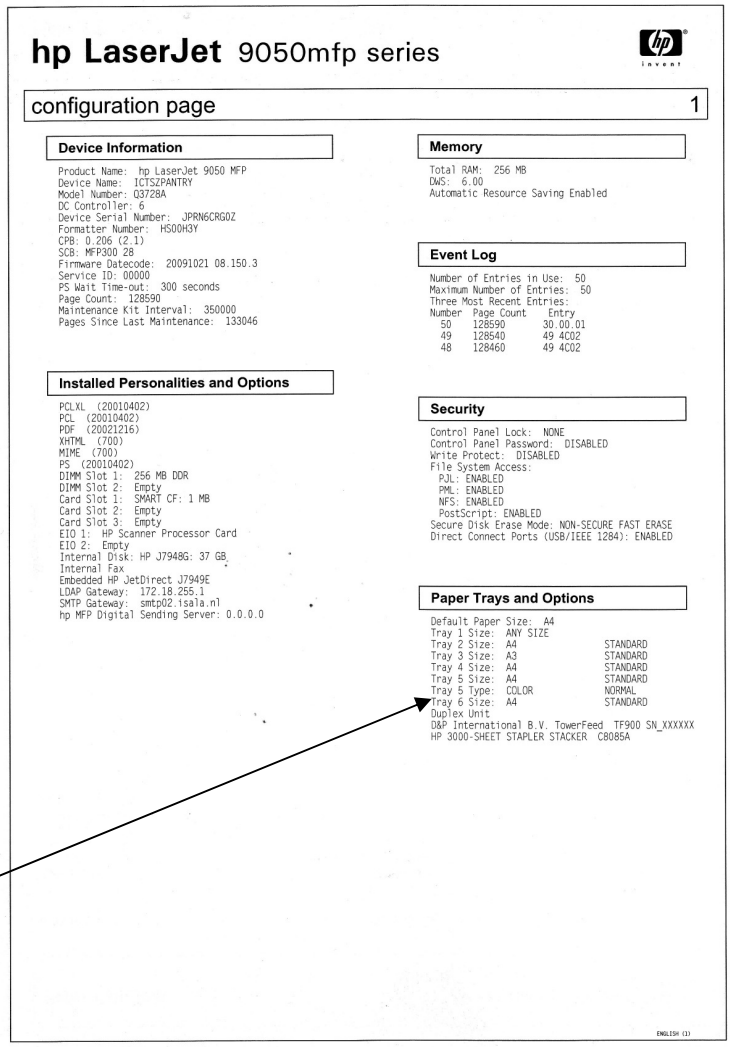
Model: TF900 SN_X
Firmware Datecode: 5009000
Input Trays:
1: TRAY 4, 500 Sheets
2: TRAY 5, 500 Sheets
3: TRAY 6, 500 Sheets

Product Name: HP 3000-SHEET STAPLER STACKER

Model: C8085A
Firmware Datecode: 080306
Output Bins:
1: UPPER BIN, 125 Sheets, Face Up
2: LOWER BIN, 3000 Sheets, Face Down
Serial Number: MX18C47297
Service ID: 17009
Manufacture Date: 06/13/2006
Page Count: 109950
Finishing Cycles: 0
Three Most Recent Entries:

Number	Page Count	Entry
1	0002760	25.00.0026
2	0002760	25.00.0026
3	0003753	25.00.0026

TF900
Firmware version



hp LaserJet 9050mfp series

configuration page 1

Device Information

Product Name: hp LaserJet 9050 MFP
Device Name: ICTSZPANTRY
Model Number: Q3728A
DC Controller: 6
Device Serial Number: JPRN6CRG0Z
Formatter Number: HS00H3Y
CPB: 0.206 (2.1)
SCB: MFP300 28
Firmware Datecode: 20091021 08.150.3
Service ID: 00000
PS Wait Time-out: 300 seconds
Page Count: 128590
Maintenance Kit Interval: 350000
Pages Since Last Maintenance: 133046

Memory

Total RAM: 256 MB
DWS: 6.00
Automatic Resource Saving Enabled

Event Log

Number of Entries in Use: 50
Maximum Number of Entries: 50
Three Most Recent Entries:

Number	Page Count	Entry
50	128590	30.00.01
49	128540	49 4C02
48	128460	49 4C02

Installed Personalities and Options

PCLXL (20010402)
PCL (20010402)
PDF (20021216)
XHTML (700)
MIME (700)
PS (20010402)
DIMM Slot 1: 256 MB DDR
DIMM Slot 2: Empty
Card Slot 1: SMART CF: 1 MB
Card Slot 2: Empty
Card Slot 3: Empty
EIO 1: HP Scanner Processor Card
EIO 2: Empty
Internal Disk: HP J7948G: 37 GB
Internal Fax
Embedded HP JetDirect J7949E
LDAP Gateway: 172.18.255.1
SMTP Gateway: smtp02.isala.nl
hp MFP Digital Sending Server: 0.0.0.0

Security

Control Panel Lock: NONE
Control Panel Password: DISABLED
Write Protect: DISABLED
File System Access:
PJL: ENABLED
PML: ENABLED
NFS: ENABLED
PostScript: ENABLED
Secure Disk Erase Mode: NON-SECURE FAST ERASE
Direct Connect Ports (USB/IEEE 1284): ENABLED

Paper Trays and Options

Default Paper Size: A4
Tray 1 Size: ANY SIZE
Tray 2 Size: A4 STANDARD
Tray 3 Size: A3 STANDARD
Tray 4 Size: A4 STANDARD
Tray 5 Size: A4 STANDARD
Tray 5 Type: COLOR NORMAL
Tray 6 Size: A4 STANDARD
Duplex Unit
D&P International B.V. TowerFeed TF900 SN_XXXXXX
HP 3000-SHEET STAPLER STACKER C8085A

ENGLISH (1)

Tray 4,5 & 6 = TF900

APPENDIX F - Printer Selftest Pages

hp LaserJet 9050mfp series

event log page 1

Current Page Count: 128625 Serial Number: JPRN6CRGOZ

Number	Date and Time	Engine Cycles	Event	Firmware	Description or Personality
50	17-MAY-2010 14:24	128620	49 4C02	08.150.3	3CA9 4207908 Device Error
49	17-MAY-2010 14:19	128620	50.1	08.150.3	Device Error
48	07-MAY-2010 14:48	128620	49 4C02	08.150.3	3CA9 4207908 Device Error
47	02-MAR-2010 16:09	128590	30.00.01	08.150.3	CHECK CABLES. CHECK SCANNER LOCK. TO CONTINUE
46	02-MAR-2010 11:49	128540	49 4C02	08.150.3	3CA9 4207908 Device Error
45	15-DEC-2009 11:49	128460	49 4C02	08.150.3	3CA9 4207908 Device Error
44	04-DEC-2009 16:53	128431	41.03.00	08.150.3	GENERAL MISPRINT ERROR
43	04-DEC-2009 16:37	128401	49 21C2	08.150.3	BF66 1169 Device Error
42	04-DEC-2009 16:32	128401	49 21C2	08.150.3	BF66 1169 Device Error
41	04-DEC-2009 13:45	128315	13.12.04	08.150.3	EXTERNAL OUTPUT DEVICE PAPER JAM
40	04-DEC-2009 13:45	128315	13.06.00	08.150.3	FUSER OUTPUT, PAPER STOPPED JAM
39	04-DEC-2009 13:21	128296	49 21C2	08.150.3	BF66 1169 Device Error
38	04-DEC-2009 12:14	128274	13.12.04	08.150.3	EXTERNAL OUTPUT DEVICE PAPER JAM
37	04-DEC-2009 12:14	128274	13.06.00	08.150.3	FUSER OUTPUT, PAPER STOPPED JAM
36	04-DEC-2009 12:05	128272	13.12.04	08.150.3	EXTERNAL OUTPUT DEVICE PAPER JAM
35	04-DEC-2009 12:05	128272	13.06.00	08.150.3	FUSER OUTPUT, PAPER STOPPED JAM
34	03-DEC-2009 16:25	128264	13.20.00	08.150.3	PRINTER COULD NOT AUTOMATICALLY EJECT PAPER
33	03-DEC-2009 16:25	128264	13.12.04	08.150.3	EXTERNAL OUTPUT DEVICE PAPER JAM
32	03-DEC-2009 16:21	128252	13.12.04	08.150.3	EXTERNAL OUTPUT DEVICE PAPER JAM
31	03-DEC-2009 16:02	128230	13.11.01	08.150.3	EXTERNAL INPUT DEVICE PAPER JAM
30	03-DEC-2009 15:52	128231	49 21C2	08.150.3	BF66 1169 Device Error
29	03-DEC-2009 15:52	128231	13.05.00	08.150.3	FUSER OUTPUT, PAPER LATE JAM
28	03-DEC-2009 15:49	128230	13.20.00	08.150.3	PRINTER COULD NOT AUTOMATICALLY EJECT PAPER
27	03-DEC-2009 15:44	128239	49 21C2	08.150.3	BF66 1169 Device Error
26	03-DEC-2009 15:43	128239	13.05.00	08.150.3	FUSER OUTPUT, PAPER LATE JAM
25	03-DEC-2009 15:38	128236	13.05.00	08.150.3	FUSER OUTPUT, PAPER LATE JAM
24	03-DEC-2009 15:31	128231	41.03.00	08.150.3	GENERAL MISPRINT ERROR
23	03-DEC-2009 15:30	128231	13.06.00	08.150.3	FUSER OUTPUT, PAPER STOPPED JAM
22	03-DEC-2009 15:28	128229	13.03.00	08.150.3	PAPER FEED 2, PAPER LATE JAM
21	03-DEC-2009 14:30	128226	13.20.00	08.150.3	PRINTER COULD NOT AUTOMATICALLY EJECT PAPER
20	03-DEC-2009 14:30	128226	13.11.01	08.150.3	EXTERNAL INPUT DEVICE PAPER JAM
19	03-DEC-2009 14:08	128180	65.11.99	08.150.3	INPUT DEVICE DISCONNECTED
18	03-DEC-2009 12:28	128183	65.11.99	08.150.3	INPUT DEVICE DISCONNECTED
17	03-DEC-2009 10:44	128140	99.00.00	08.150.3	Firmware Upgrade
16	02-DEC-2009 16:22	128145	41.03.00	08.101.9	GENERAL MISPRINT ERROR
15	02-DEC-2009 15:42	128130	68 1C0E	08.101.9	
14	12-MAR-2009 12:10	126046	13.30.00	08.101.9	PAPER FEED 1, PAPER LATE JAM
13	10-MAR-2009 14:51	125257	49 2322	08.101.9	8D2B 3980 Device Error
12	04-MAR-2009 14:04	123729	30.01.02	08.101.9	ADF PAPER JAM
11	02-MAR-2009 09:22	122275	13.12.25	08.101.9	EXTERNAL OUTPUT DEVICE PAPER JAM
10	02-MAR-2009 09:21	122274	13.12.25	08.101.9	EXTERNAL OUTPUT DEVICE PAPER JAM
9	23-FEB-2009 13:57	120455	13.20.00	08.101.9	PRINTER COULD NOT AUTOMATICALLY EJECT PAPER
8	23-FEB-2009 13:56	120455	13.03.00	08.101.9	PAPER FEED 2, PAPER LATE JAM
7	23-FEB-2009 09:41	120294	13.03.00	08.101.9	PAPER FEED 2, PAPER LATE JAM
6	23-FEB-2009 08:49	120261	13.03.00	08.101.9	PAPER FEED 2, PAPER LATE JAM
5	18-FEB-2009 14:27	119651	13.03.00	08.101.9	PAPER FEED 2, PAPER LATE JAM
4	16-FEB-2009 17:29	119160	13.11.10	08.101.9	EXTERNAL INPUT DEVICE PAPER JAM
3	16-FEB-2009 17:29	119160	13.20.00	08.101.9	PRINTER COULD NOT AUTOMATICALLY EJECT PAPER
2	16-FEB-2009 17:25	119166	13.12.00	08.101.9	DUPLEX PATH, PAPER LATE JAM
1	13-FEB-2009 12:18	118821	49 4205	08.101.9	A0F7 816 Device Error

error 13.11.xx
TF900 tray

APPENDIX G - TF900 Selftest

TF900 Selftest Feature

The TF900 selftest feature allows to test the TF900 unit independently from any printer and computer. With this test you can check for correct paper feeding (horizontal position, skew, jam behavior).

Note:
To perform a TF900 selftest when a printer is installed, open the right door of the printer otherwise paperjams will occur.

Execute the following steps:

- Power-off TF900.
- Open all TF900 trays (approx. 10 cm).
- Power-on TF900 by plugging in the poweradapter..
- Wait until you hear a short beep followed by the clicking of the solenoid activation in every module, and finally the spinning of the motor (approx. 2 sec).
- Close the top-most TF900 tray. After a second a sheet will be fed from this drawer.
- Pull out the sheet from its waiting position. TF900 will automatically feed a next sheet. You now can compare the position of the left border of the next sheet. If it moves up straight in the same position, this is ok. (In case the left position would be different, or moving from left to right (or vice-versa), this might indicate a problem in either the tray, the unit (module) or the paper loading.)
- To test the next lower tray, close that tray before removing the sheet from its waiting position. Now TF900 will feed the sheet from that next lower tray. (TF900 will always feed the next sheet from its lowest closed tray.)
- To revert to normal operation, power-off and on TF900 again with all trays closed. TF900 will respond with a short 'Reset' beep that it is ready again.

Warning:
Watch your fingers because of moving parts (rollers) !

APPENDIX H - Cleaning and Maintenance

TF900 does require preventive maintenance. Check the rollers when maintenance is required for your printer (every 350,000 pages). Each tray contains 3 rollers: 1x RL1-1289-000CN and 2x RM1-0037-020CN. These are HP partnumbers.

Cleaning of housing and removal of paper dust from within the TF900 drawers might now and then be indicated.

Clean the outside of TF900 with a soft, lint-free cloth dampened with water, or water and a mild detergent.

To **clean the paper drawers** from paper dust, completely remove the drawers from TF900, remove the paper and Wipe with a lint-free cloth. If dirt cannot be removed, dampen the lint-free cloth with alcohol.

For further references see our WebPages: www.key2printing.com

APPENDIX I – TF900 Specifications

Dimensions and Weights:	Width	Depth	Height	Weight
TF900	705 mm	650 mm	415 mm	40.0 kg
with all doors and trays closed	27,76"	25,59"	16,34"	88,18lbs
Paper Specifications:	max. weight is 199 gr/cm² refer to the HP printer manual			
Paper sizes	A5, B5, Executive, US Letter, A4, US Legal, US Ledger, A3, B4, Letter (Rotated), A4 (Rotated)			
Paper Trays:	3			
Tray capacity:	Up to 500 per tray			
Environmental Specifications:				
Temperature:	Recommended:	17° to 25°C (62.6° to 77°F)		
	Allowed:	10°C to 30°C (50°F to 86°F)		
	Storage/standby:	0°C to 35°C (32°F to 95°F)		
Relative humidity:	Recommended:	30% to 70% RH		
(non-condensing, meant for TF900 only	Allowed:	10% to 80% RH		
not for paper)	Storage/standby:	5% to 95% RH		
Power Specifications TF900:				
Requirements:	Voltage:	24V DC		
	Current:	3,75 A max.		
	Power:	90 W max.		
Supplied adapter GS90A24:				
	Input:	100-240VAC, 50/60Hz, 2.0 A		
	Output:	24V DC, 3.75A, 90W max.		
Power Consumption at 24V DC:	Standby:	6W		
	Operational:	40W approx.		
	Max:	90W max.		
Maximum altitude:	Height:	0 to 2000 meters (0- 6562 feet)		
Connectivity:	JetLink and Serial port (Firmware update)			
Operating systems:	Windows®2003, 2008, XP, Vista and Windows 7. Both 32 and 64 bit			
Certifications:				
IP Rating	20			
Safety:	EN60950-1 (2006) + A11 (2009)			
EMC:	EN 55022 (2006) + A1 (2007)			
	EN 61000-3-2 (2006)			
	EN 61000-3-3 (1995) +A1(2001) +A2 (2005)			
	EN 55024 (1998) +A1(2000) +A2 (2003)			

APPENDIX J – Compatibility list

Paperhandling	Product nr.	TF900 compatible
100-sheet multipurpose input tray	C8568A	Yes
2,000-sheet input tray	C8531A	No
Automatic two-sided printing unit	C8532A	Yes
8-bin mailbox	Q5693A	Yes
3,000-sheet output stacker	C8084A	Yes
3,000-sheet output stacker/stapler	C8085A	Yes
Multifunction finisher	C8088B	No

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